L - Food Prescription

L.1 Food Prescription Panel

The Food Prescription panel of the Participant Folder allows the user to view food prescriptions that have been assigned to the participant. Food prescriptions may only be added, modified, or deleted if the participant is currently certified or the user is in the process of certifying the participant.
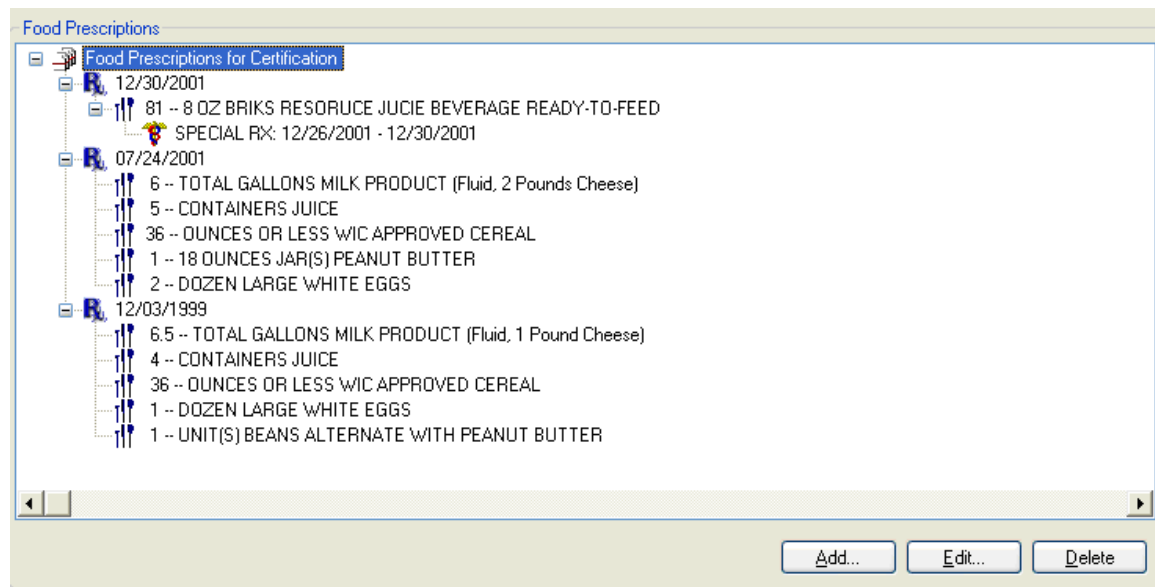

Figure 1 - Food Prescription panel

L.1.1 Controls

This section describes the behavior of the controls on the Food Prescription panel of the Participant Folder.

L.1.1.1 Food Prescription Display Tree View

This control allows the user to view the food prescriptions for the participant along with the food items that comprise the food prescriptions. It is enabled when the Food Prescription panel is active. It displays data in the following hierarchical structure:

Food Prescriptions Root

|

|_Food Prescription Node

  |

  |_Food Item

  |_Food Item

   |

|_Special Prescription Node

When invoked from the Participant Folder, the panel displays all existing food prescriptions for the participant. If none exist, the root node of the tree displays the text "No food prescriptions exist for this participant".

When invoked from the Certification Guided Script, the panel displays all existing food prescriptions for the participant where the prescription date is greater than or equal to the most recent certification effective date. If there are no food prescriptions greater than the most recent certification effective date and risk codes have been assigned to the participant, a default prescription is created from the appropriate food package. (See section L.2.2.2 Creating a Default Food Prescription) If no food prescriptions are greater than the most recent certification effective date and risk codes have not been assigned to the participant, a standard informational dialog is invoked with the text, "There are no risk factors on which to base a default food prescription. The defaulting feature will not be functional.". After the user selects OK on the message, the root node of the tree displays the "No food prescriptions exist for this participant".

When invoked from the Participant Folder or the Certification Guided Script after the user has changed the breastfeeding status of an infant, the food prescription is updated to the appropriate default food package and a standard informational dialog is invoked with the text, "The Food Prescription will be changed as a result of the Breastfeeding status changing.".

The food prescriptions display in chronological order with the most recent prescription (determined by the prescription date) appearing at the top of the list. The most recent food prescription defaults to expanded. The data values in the tree view are read-only.

The list of food prescriptions is selected from the database by joining the FoodPrescription, and FoodPrescriptionItem tables.

L.1.1.2 Food Prescription Tree View Node

This node of the Food Prescription Display tree view allows the user to view the date on which the food prescription is to take effect. The node consists of an appropriate icon and text in the format of {food prescription effective date (MM/DD/CCYY)}. The food prescription closest to the current system date (equal to or greater than the current system date) defaults to expanded. All other food prescription nodes are collapsed.

L.1.1.3 Food Item Tree View Node

This node of the Food Prescription Display tree view allows the user to view the food items that comprise a food prescription. The node consists of an appropriate icon and text in the format of {quantity of food item} -- {description of food item}.

Items within each prescription are sorted by base food category in the following order (note that some categories may not appear if not applicable to the participant based on their WIC category and age category):

BASEFOODCATEGORYID	DESCRIPTION
A	FORMULA
B	MILK
C	LEGUMES (BEANS/PEANUT BUTTER)
D	EGGS
E	CHEESE
F	JUICE
G	CEREAL
I	INFANT CEREAL
J	FISH
L	CASH BENEFIT
M	INFANT FRUIT-VEGETABLE
N	WHOLE GRAINS
O	INFANT MEAT

L.1.1.4 Special Prescription Tree View Node

This node of the Food Prescription Display tree view allows the user to view the special prescription date range for a food item. The node consists of an appropriate icon and text in the format of {SPECIAL RX: special prescription start date (MM/DD/CCYY) – special prescription end date (MM/DD/CCYY)}.

L.1.1.5 Add Food Prescription Button

This control allows the user to add a food prescription for the participant. The Add Food Prescription button is enabled when the participant is in a current certification period. It has a mnemonic of "A" and is the default button for the dialog.

L.1.1.6 Edit Food Prescription Button

This control allows the user to edit the food prescription selected on the Food Prescription Display tree view. In the Participant Folder, the Edit button is only be enabled when the participant is in a current certification period, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. In the Certification Guided Script, the Edit button is enabled when the participant is being certified, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. It has a mnemonic of "E".

L.1.1.7 Delete Food Prescription Button

This control allows the user to delete the food prescription selected on the Food Prescription Display tree view. In the Participant Folder, the Delete button is only be enabled when the participant is in a current certification period, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. In the Certification Guided Script, the Delete button is enabled when the participant is being certified, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. It has a mnemonic of "D"

L.1.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Food Prescription panel.

L.1.2.1 Initializing the Interface

The Food Prescription tree view displays food prescriptions assigned to the participant as described earlier.

The Edit Food Prescription button is disabled.

The Delete Food Prescription button is disabled.

If the participant is in a current certification the Add button is enabled.

L.1.2.2 Edits

There are no updateable controls on the Food Prescription panel; therefore, no edits are performed.

L.1.2.3 Saving the Data

There are no updateable controls on the Food Prescription panel; therefore, no data is written to the database.

L.1.2.4 Adding a Food Prescription

Upon selection of the Add Food Prescription button

- The permissions of the currently logged-on user are checked. If the user does not have the appropriate permissions (Food Prescriptions.Add or FullControl) to add a food prescription, a standard error dialog is invoked with the text, "You do not have the necessary permissions to add a food prescription. Please see the supervisor."
- If the user has the appropriate permissions, the Food Prescription Entry dialog is invoked in Add mode.
- Upon returning from the dialog, if a prescription was added the tree view is refreshed.

L.1.2.5 Edit Food Prescriptions

Upon selection of the Edit Food Prescription button:

- The permissions of the currently logged-on user are checked. If the user does not have the appropriate permissions (Food Prescriptions.FullControl) to edit a food prescription, a standard error dialog is invoked with the text, "You do not have the necessary permissions to edit a food prescription. Please see the supervisor."
- If the user has the appropriate permissions, the Food Prescription Entry dialog is invoked in Edit mode.
- Upon returning from the dialog, if the prescription was changed the tree view is refreshed.
- If a user makes a change to a formula or formula quantity on an existing infant food prescription, future food prescriptions that contain the old formula and quantity are modified. Future food prescriptions are created with the new formula, but the quantity is set to the maximum for the age category of the infant on the effective date of the prescription. If a special formula (requiring a medical prescription) is given, it is reflected in all future food prescriptions for the participant that contain the old formula. When issuing benefits on a future date past the end of the formula's medical prescription, a new prescription must be created before issuing the formula.

L.1.2.6 Delete Food Prescriptions

Upon selection of the Delete Food Prescription button

- The permissions of the currently logged-on user are checked. If the user does not have the appropriate permissions (Food Prescriptions.FullControl) to delete a food prescription, a standard error dialog is invoked with the text, "You do not have the necessary permissions to delete a food prescription. Please see the supervisor."
- If the user has the appropriate permissions, a standard confirmation dialog is invoked the text, "Do you want to delete this food prescription?" The options of Yes and No is available.
  - o If the user selects 'Yes' the confirmation dialog is dismissed and the food prescription selected on the Food Prescription Display tree view is deleted.
  - o If the user selects 'No' the confirmation dialog is dismissed and focus is returned to the Food Prescription panel without deleting the food prescription.

L.2 Food Prescription Dialog

The Food Prescription dialog allows the user to add a new food prescription or update the selected food prescription on the Food Prescription Display tree view on the Food Prescription panel. The Food Prescription Entry dialog is invoked in response to the following user actions:

- Selection of the Add Food Prescription button on the Food Prescription panel described above.
- Selection of the Edit Food Prescription button on the Food Prescription panel described above.

Figure 2 - Add Food Prescription Dialog

Figure 3 - Edit Food Prescription Dialog

If this dialog was called from the Add Food Prescription button of the Food Prescription panel, it is considered to be in Add mode. If the dialog was called from the Edit Food Prescription button of the Food Prescription panel, it is considered to be in Edit mode.

L.2.1 Controls

This section describes the behavior of the controls on the Food Prescription Entry dialog.

L.2.1.1 Effective Date Calendar Date Control (Effective Date of Food Prescription)

This control allows the user to enter or select the date on which the food prescription is to be effective.

The control is enabled when the Food Prescription Entry dialog is in Add mode. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd"

If the dialog is in Edit mode, the control is disabled and populated with the effective date of the prescription being displayed on the dialog.

L.2.1.2 Mother of Multiples Indicator

The Mother of Multiples indicator is visible if the participant has been determined to be a mother of multiples. When visible, the indicator displays the text "Mother of Multiples".

L.2.1.3 Milk Products Indicator

The Milk Products Indicator displays information in regard to the maximum fluid milk quart equivalents that can be allocated based on the WIC category and age category of the participant as well the amount currently allocated on the prescription and the balance remaining.

As the user adds and/or edits milk and cheese products to the prescription the allocated amount is incremented or decremented accordingly and the remaining amount is recalculated by subtracting the allocated amount from the maximum amount. While adjusting these amounts the USDA substitution factors for the various milk products are taken into consideration. The aforementioned equivalencies for evaporated milk, soy milk, dry milks, tofu, and cheese are stored in the MilkSubstitution table.

The maximum amount is determined by the state and usually maps directly to the maximum amount prescribed by the FNS for the appropriate food package.

The indicator can be used interactively to ensure that the prescription contains the proper mixture of milk and cheese items that provide the recommended amount of calcium (expressed in the form of quarts of fluid milk).

L.2.1.4 Food Prescription Item Display Grid

This control allows the user to view the items that comprise the current food prescription. The control is enabled when the Food Prescription Entry dialog is active. It displays the following columns:

- Quantity
- UOM (Unit of Measure)
- Item [description]

The description of each non-fluid milk (e.g. evaporated and dry milks) and cheese item also includes the total fluid milk equivalent in quarts for that item based on the items quantity. This information follows the description and is expressed as "(n quarts of milk product)" where n is the total number of equivalent quarts of fluid milk.

If the dialog is in Add mode, the grid is initially be blank. If the dialog is in Edit mode, an entry is added to the grid for each food item in the current food prescription. The values on the grid are read-only.

The prescription items are sorted by base food category as follows:

BASEFOODCATEGORYID	DESCRIPTION
A	FORMULA
B	MILK
C	LEGUMES (BEANS/PEANUT BUTTER)
D	EGGS
E	CHEESE
F	JUICE
G	CEREAL
I	INFANT CEREAL
J	FISH
L	CASH BENEFIT
M	INFANT FRUIT-VEGETABLE
N	WHOLE GRAINS
O	INFANT MEAT

Within each base food category the items are sorted alphabetically by description. The list cannot be sorted by the user.

L.2.1.5 Use Default Button

This control allows the user to create a default food prescription from a food package. (See section L.2.2.2 Creating a Default Prescription.) The control is enabled when a valid date is displayed in the Effective Date control and the Food Prescription Item display grid is empty. It has a mnemonic of "U".

L.2.1.6 Add Food Item Button

This control allows the user to add a food item to the current food prescription. The control is enabled when a valid date is displayed in the Effective Date control. It has a mnemonic of "A".

L.2.1.7 Edit Food Item Button

This control allows the user to edit a food prescription item. The Edit Food Item button is enabled when a food item is selected in the Food Prescription display grid. It has a mnemonic of "E".

L.2.1.8 Delete Food Item Button

This control allows the user to delete a food item from the food prescription. The Delete Food Item button is enabled when a food item is selected in the Food Prescription Item display grid. It has a mnemonic of "D".

When all items have been removed from the Food Prescription display grid and a valid date is displayed in the Effective Date control, the Use Default button is enabled.

L.2.1.9 OK Button

This control allows the user to edit the values of the controls, save the changes, and exit the Food Prescription dialog. The OK button is enabled when the Food Prescription dialog is active. (See *Saving the Food Prescription* in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

L.2.1.10 Cancel Button

This control allows the user to discard any changes made to the food prescription and exit the dialog. The Cancel button is enabled when the Food Prescription dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

L.2.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Food Prescription dialog.

L.2.2.1 Initializing the Interface

In Add Mode:

- The title bar text is set to "Add Food Prescription"
- The Effective Date is blank
- The grid is blank
- If the participant has been designated as a mother of multiples, the Mother of Multiples indicator is visible.
- The following controls are disabled
    - Use Default button
    - Add Food Item button
    - Edit Food Item button
    - Delete Food Item button

In Edit Mode:

- The title bar text is set to "Edit Food Prescription"
- The Effective Date is populated with the effective date of the selected food prescription
- The Effective Date is disabled
- The grid displays the food prescription items contained on the selected prescription.
- The first food item in the grid is selected.
- If the participant has been designated as a mother of multiples, the Mother of Multiples indicator is visible.
- The Use Default button is disabled.

L.2.2.2 Creating a Default Food Prescription

A default food prescription is created from an appropriate food package. The food package to be used is determined by assessing the risk factors associated with the current certification of the participant. Each risk factor is associated with a food package. This risk factor/food package relationship is assigned a food package priority. (These relationships are setup and managed by the state office.) Using this list, the application selects the food package having the highest priority. This food package is then used to create the food prescription. If a food package cannot be identified based on the aforementioned risk factors the application displays the following error message: "No default food prescription is possible given the risk factor(s) currently assigned this participant".

If the food package used to create the prescription requires a formula then the Select Formula dialog is invoked.

L.2.2.3 Adding a Food Item

Clicking the Add Food Item button allows the user to add a food item to the prescription by invoking the Add Food Item Dialog. Upon returning from the dialog if an item was added to the prescription the list is refreshed to include the new item.

L.2.2.4 Editing a Food Item

Clicking the Edit Food Item button allows the user to edit the selected list item by invoking the Edit Food Item Dialog. Upon returning from the dialog if the selected item was modified the list is refreshed to include any changes made the item.

L.2.2.5 Deleting a Food Item

Clicking the Delete Food Item button allows the user to remove the selected food item from the prescription. Prior to removing the item, a standard confirmation dialog is invoked with the text, "Do you want to delete this food item?" The options of Yes and No are available.

- If the user selects 'Yes', the selected food item is deleted from the food item list.
- If the user selects 'No', the selected item is not deleted from the list.

L.2.2.6 Saving the Food Prescription

Clicking the OK Button starts the following edits:

- If an effective date has not been specified (i.e. the control is empty), a standard error dialog is invoked with the text, "An entry is required for the {control label}".
- If the effective date is less than the system date, a standard error dialog is invoked with the text, "The date entered must be equal to or greater than today's date."

- If the effective date is greater than the date on which the participant is categorically ineligible, a standard error dialog is invoked with the text, "The date entered cannot be greater than the categorical ineligibility date."
- If there is another food prescription assigned to the participant that has a more recent effective date, a standard error dialog is invoked with the text, "The date may not precede any previous contact dates."
- If the effective date of the prescription is the same as the effective data of another food prescription assigned to the participant, a standard error dialog is invoked with the text, "The food prescription effective date already exists for the participant. Please select another date or modify the existing food prescription for that date."
- If there are no food items in the prescription (i.e. the list is empty), a standard error dialog is invoked with the text, "At least one item must exist in the Food Prescription display grid."

If all of the above edits "pass", meaning no error messages are displayed, the food prescription is saved by either inserting or updating records in the FoodPrescription, FoodPrescriptionItem, and FoodPrescriptionItemReason tables as indicated in the Data Map section below.

Once the information has been saved the dialog is dismissed. If an error occurs while the information is being saved a standard error dialog is invoked with the error message, and the dialog is not dismissed.

L.2.2.7 Food Prescription Data Map

This dialog and the dialogs invoked from it manage the food prescription information from within the software, locally. The prescription is only persisted to the database when the use presses the OK button on this dialog as defined in the above section Saving the Food Prescription.

A food prescription is potentially stored across 3 related tables. The FoodPrescription table is used to store the effective date and links the participant to the specific food items stored in the FoodPrescriptionItem table. Each food item in the prescription has a unique record in the FoodPrescriptionItem table. This record maintains a link to the specific food item in the master list of food items stored in the FoodItem table as well as the specific quantity of the item to be distributed to the participant. If the food item is a special prescription item, the prescription start and end dates as well as the prescribing physician's name and an indicator as to whether the prescription was verbally prescribed to the participant are also stored in the record. If the food item is a special prescription food item, a record is stored in the FoodPrescriptionItemReason table for each reason selected in regard to why the item was prescribed.

L.3 Select Formula

The Select Formula Dialog allows the user to add a formula food item to a food prescription. It is invoked from:

- The Use Default button on the Food Prescription dialog if the food package used to create the default prescription requires a formula.
- The Certification Guided Script process if the food package used to create the default prescription requires a formula.
- The Participant Folder or the Certification Guided Script process if the Requires Food Package III check box is selected on the Health Information dialog and the user adds a new food prescription.
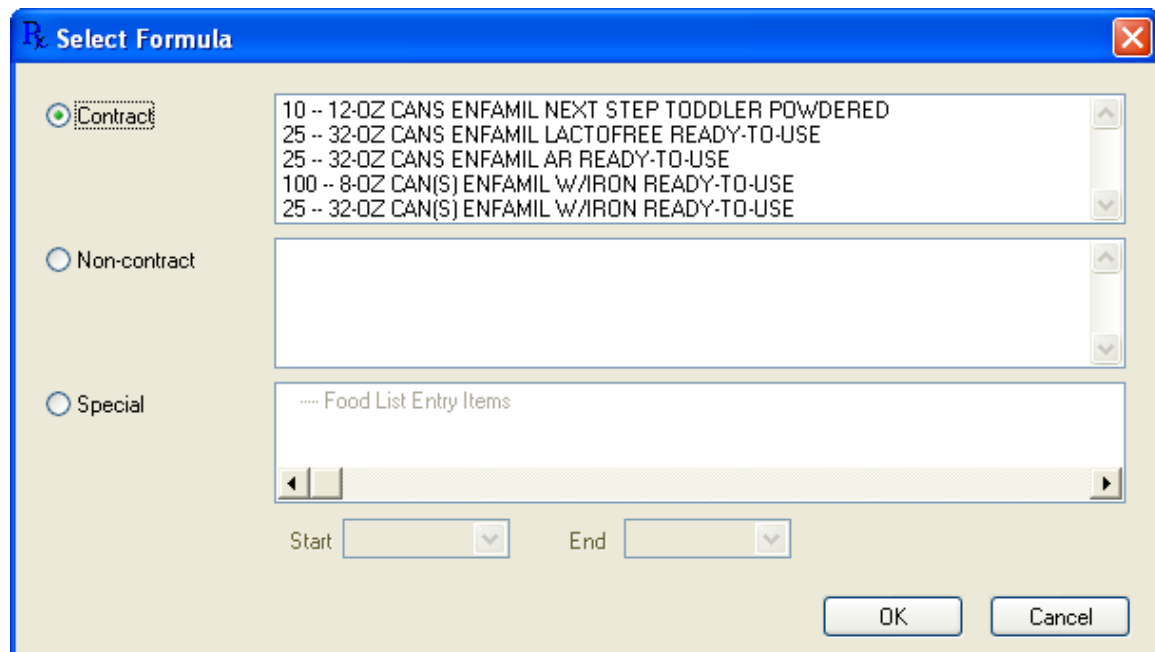

Figure 4 – Select Formula Dialog

L.3.1 Controls

This section describes the behavior of the controls on the Select Formula Dialog.

L.3.1.1 Formula Type Radio Button Group

This control allows the user to specify the type of formula food item to add to the food prescription. The radio button group is enabled when the Select Formula Dialog is active. It includes the following radio buttons:

- Contract
- Non-contract
- Special

The Contract radio button is initially selected.

Upon selection of the Contract radio button the Contract list box is enabled and the following controls are disabled:

- Non-contract Formula list box
- Special Formula Display tree view
- Special Formula Start Date control
- Special Formula End Date control

Upon selection of the Non-contract radio button the non-contract list box is enabled and the following controls are disabled:

- Contract Formula list box
- Special Formula Display tree view
- Special Formula Start Date control
- Special Formula End Date control

Upon selection of either the Contract or Non-contract radio buttons the value of the following controls are cleared:

- Special Formula Start Date control
- Special Formula End Date control

Upon selection of the Special radio button the following controls are enabled:

- Special Formula Display tree view
- Special Formula Start Date control
- Special Formula End Date control

Upon selection of the Special radio button the following controls are disabled:

- Contract Formula list box
- Non-contract Formula list box

L.3.1.2 Contract Formula List Box (Contract)

This control allows the user to select the contract formula food item to add to the food prescription. The list box is enabled when the Contract radio button is selected. A single selection may be made by the user.

The list of items is selected from the database by joining the FoodItem table to the FoodItemFormula table where the FormulaType is contract.

L.3.1.3 Non-contract Formula List Box (Contract)

This control allows the user to select the non-contract formula food item to add to the food prescription. The list box is enabled when the Non-contract radio button is selected. A single selection may be made by the user.

The first time the non-contract radio button is selected the list of non-contract items is retrieved and displayed in the list box. Once the items have been added to the list box, the first item in the list is selected.

The list of items is selected from the database by joining the FoodItem table to the FoodItemFormula table where the FormulaType is non-contract.

L.3.1.4 Special Formula Display Tree View (Special)

This control allows the user to select the special formula food item to add to the food prescription. The tree view is enabled when the Special radio button is selected. It displays data in the following hierarchical structure:

    Food List Root

    |

    |_ Food Sub-category Node

      |

      |__ Special Formula Node

      |__ Special Formula Node

The first time the special radio button is selected the list of contract items is retrieved and displayed in the tree view.

The list of items is selected from the database by joining the FoodItem table to the FoodItemFormula table where the FormulaType is special. The list is ordered alphabetically by the formula classification and subsequently the food item description.

L.3.1.5 Food Sub-Category Tree View Node

This node of the Special Formula Display tree view allows the user to view the sub-categories that contain special formula food items. The node consists of an appropriate icon and text in the format of {food sub-category description}. All food sub-category nodes is collapsed. The data values on the tree view is read-only.

A sub-category node is added to the list for each distinct formula classification found in the list of formula items retrieved from the database as described earlier.

L.3.1.6 Special Formula Tree View Node

This node of the Food Item Display tree view allows the user to select a special formula food item for addition to the default food prescription. The node consists of an appropriate icon and text in the format of {description of special formula food item}.

A special formula node is added to the list for each food item found in the list of formula items retrieved from the database as described earlier. Each item is inserted as a child node of the appropriate sub-category node.

L.3.1.7 Special Formula Start Date Calendar Date Control (Start)

This control allows the user to enter the starting date for the special formula food item. The masked edit box is enabled when a special formula node is selected in the Special Formula Display tree view. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd". It is initially blank.

L.3.1.8 Special Formula End Date Calendar Date Control (End)

This control allows the user to enter the ending date for the special formula food item. The masked edit box is enabled when a special formula node is selected in the Special Formula Display tree view. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd". It is initially blank.

L.3.1.9 OK Button

This control allows the user to edit the values of the controls, save the changes, and exit the Select Formula Dialog. The OK button is enabled when the Select Formula Dialog is active. (See Selecting the Formula in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

L.3.1.10 Cancel Button

The Cancel button is enabled when the Select Formula Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

L.3.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Select Formula dialog.

L.3.2.1 Initializing the Interface

Upon initial display of the dialog:

- The title bar text is set to "Select Formula"
- The Contract radio button is selected.
- The Non-contract radio button is enabled.
- The Special radio button is enabled.

- The Contract Formula List is enabled.
- The first item in the Contract formula List is selected.
- The Non-Contract and Special Formula Lists is blank and disabled.

L.3.2.2 Selecting the Formula

Clicking the OK button starts the following edits:

- If the Contract radio button is selected, a check is made to determine whether a selection has been made in the Contract Formula list box.
- If the Non-contract radio button is selected, a check is made to determine whether a selection has been made in the Non-contract Formula list box.
- If the Special radio button is selected, a check is made to ensure that:
    o A special prescription food item node has been selected from the Special Formula Display tree view.
    o A special prescription start and end date have been provided.
    o The start and end dates are greater than or equal to the starting date of the current certification period but not greater than the ending date of the current certification period.
    o The end date is greater than or equal to the start date.

If an item is not selected in the appropriate list, a standard error dialog is invoked with the text, "An item must be selected from the list."

If a special start and end date is required but not provided, a standard error dialog is invoked with the text, "An entry is required for the {control label}".

If no errors or warnings were encountered while performing the edits mentioned above the dialog is dismissed and changes to the food prescription are saved.

L.3.2.3 Canceling the Dialog

If the dialog is cancelled the dialog is dismissed without saving any changes to the food prescription.

L.3.2.4 Data Map

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

L.4 Select Infant Food

The Select Infant Food dialog allows the user to add an infant food item to a food prescription. It is invoked from:

- The Use Default button on the Food Prescription dialog if the food package used to create the default prescription requires infant food.
- The Certification Guided Script process if the food package used to create the default prescription requires infant food.
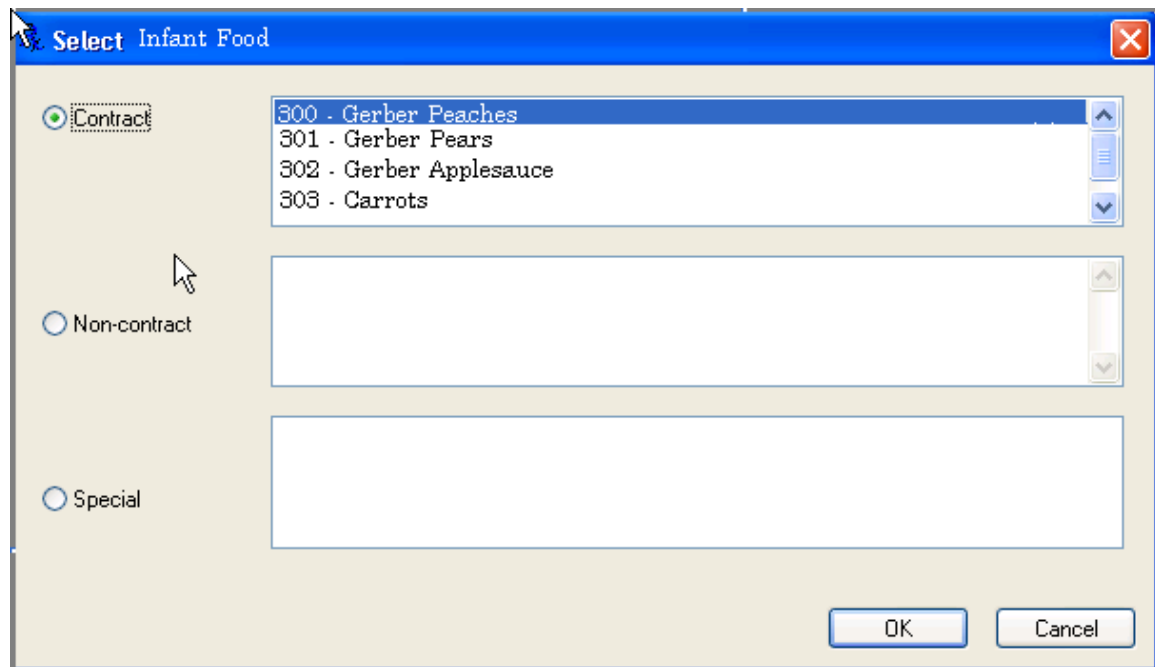

Figure 5 – Select Infant Food Dialog

L.4.1 Controls

This section describes the behavior of the controls on the Select Infant Food dialog.

L.4.1.1 Infant Food Type Radio Button Group

This control allows the user to specify the type of infant food item to add to the food prescription. The radio button group is enabled when the Select Infant Food dialog is active. It includes the following radio buttons:

- Contract
- Non-contract
- Special

The Contract radio button is initially selected.

Upon selection of the Contract radio button the Contract list box is enabled and the following controls are disabled:

- Non-contract Infant Food list box
- Special Infant Food Display tree view

- Special Infant Food Start Date control
- Special Infant Food End Date control

Upon selection of the Non-contract radio button the non-contract list box is enabled and the following controls are disabled:

- Contract Infant Food list box
- Special Infant Food Display tree view
- Special Infant Food Start Date control
- Special Infant Food End Date control

Upon selection of either the Contract or Non-contract radio buttons the value of the following controls is cleared:

- Special Infant Food Start Date control
- Special Infant Food End Date control

Upon selection of the Special radio button the following controls are enabled:

- Special Infant Food Display tree view
- Special Infant Food Start Date control
- Special Infant Food End Date control

Upon selection of the Special radio button the following controls are disabled:

- Contract Infant Food list box
- Non-contract Infant Food list box

L.4.1.2 Contract Infant Food List Box (Contract)

This control allows the user to select the contract infant food item to add to the food prescription. The list box is enabled when the Contract radio button is selected. A single selection may be made by the user.

The list of items is selected from the database by joining the FoodItem table to the InfantFoodItem table where the InfantFoodType is contract.

L.4.1.3 Non-contract Infant Food List Box (Contract)

This control allows the user to select the non-contract infant food item to add to the food prescription. The list box is enabled when the Non-contract radio button is selected. A single selection may be made by the user.

The first time the non-contract radio button is selected the list of non-contract items is retrieved and displayed in the list box. Once the items have been added to the list box, the first item in the list is selected.

The list of items is selected from the database by joining the FoodItem table to the InfantFoodItem table where the InfantFoodType is non-contract.

L.4.1.4 Special Infant Food Display Tree View (Special)

This control allows the user to select the special infant food item to add to the food prescription. The tree view is enabled when the Special radio button is selected. It displays data in the following hierarchical structure:

Food List Root

|

|_ Food Sub-category Node

  |

  |__ Special Formula Node

  |__ Special Formula Node

The first time the special radio button is selected the list of contract items is retrieved and displayed in the tree view.

The list of items is selected from the database by joining the FoodItem table to the InfantFoodItem table where the InfantFoodType is special. The list is ordered alphabetically by the infant food classification and subsequently the food item description.

L.4.1.5 Food Sub-Category Tree View Node

This node of the Special Infant Food Display tree view allows the user to view the sub-categories that contain special infant food items. The node consists of an appropriate icon and text in the format of {food sub-category description}. All food sub-category nodes are collapsed. The data values on the tree view are read-only.

A sub-category node is added to the list for each distinct infant food classification found in the list of infant food items retrieved from the database as described earlier.

L.4.1.6 Special Infant Food Tree View Node

This node of the Food Item Display tree view allows the user to select a special infant food item for addition to the default food prescription. The node consists of an appropriate icon and text in the format of {description of special infant food item}.

A special infant food node is added to the list for each food item found in the list of infant food items retrieved from the database as described earlier. Each item is inserted as a child node of the appropriate sub-category node.

L.4.1.7 OK Button

This control allows the user to edit the values of the controls, save the changes, and exit the Select Infant Food dialog. The OK button is enabled when the Select Infant Food dialog is active. (See Selecting the Infant Food in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

L.4.1.8 Cancel Button

The Cancel button is enabled when the Select Infant Food dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

L.4.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Select Infant Food dialog.

L.4.2.1 Initializing the Interface

Upon initial display of the dialog:

- The title bar text is set to "Select Infant Food"
- The Contract radio button is selected.
- The Non-contract radio button is enabled.
- The Special radio button is enabled.
- The Contract Infant Food List is enabled.
- The first item in the Contract Infant Food List is selected.
- The Non-Contract and Special Infant Food Lists is blank and disabled.

L.4.2.2 Selecting the Infant Food

Clicking the OK button starts the following edits:

- If the Contract radio button is selected, a check is made to determine whether a selection has been made in the Contract Infant Food list box
- If the Non-contract radio button is selected, a check is made to determine whether a selection has been made in the Non-contract Infant Food list box
- If the Special radio button is selected, a check is made to ensure that:
    - A special prescription food item node has been selected from the Special Infant Food Display tree view
    - A special prescription start and end date have been provided.

If an item is not selected in the appropriate list a standard error dialog is invoked with the text, "An item must be selected from the list."

If no errors or warnings were encountered while performing the edits mentioned above the dialog is dismissed and changes to the food prescription are saved.

L.4.2.3 Canceling the Dialog

If the dialog is cancelled, it is dismissed without saving changes to the food prescription.

L.4.2.4 Data Map

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

L.5 Add Food Item

The Add Food Item Dialog allows the user to add a food item to a food prescription. It is invoked when the user selects the Add Food Item button on the Food Prescription Entry dialog.
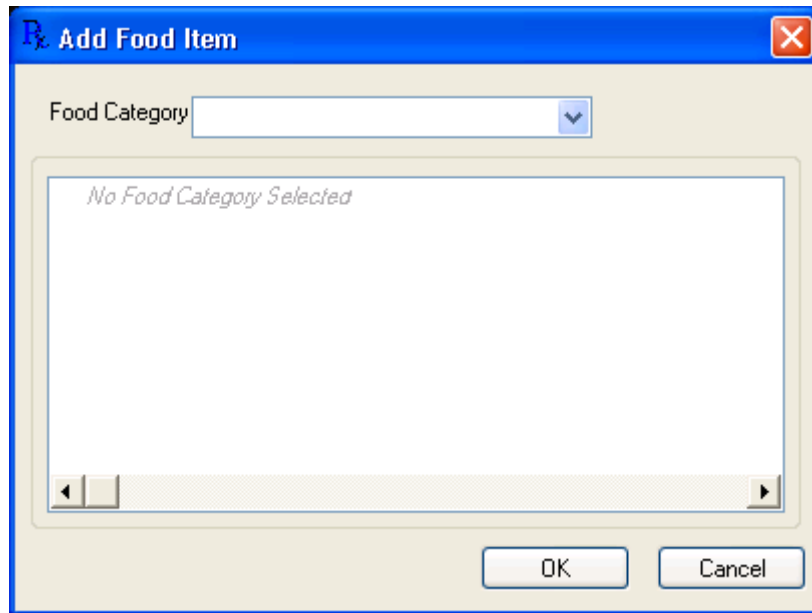
Figure 6 - Add Food Item Dialog

L.5.1 Controls

This section describes the behavior of the controls on the Add Food Item Dialog.

L.5.1.1 Food Category Drop-down List

This control allows the user to select the food category of the item to be added to the food prescription. The drop-down list is enabled when the Add Food Item Dialog is active. It displays a list of food categories valid for the WIC Category of the participant. These food categories are defined by your state agency.

Upon selection of a food category, the content of the Food Item Display tree view is updated.

The list of food categories is populated by selecting a distinct list of base food categories referenced in the FoodItemQty table based on the WIC category and age category of the participant.

L.5.1.2 Food Item Display Tree View

This control allows the user to select the food item to be added to the current food prescription. The tree view is enabled when the Add Food Item Dialog is active. It displays data in the following hierarchical structure:

Food Sub-categories Root

|

|_ Food Sub-category Node

|

|__Food Item Node

|__Food Item Node

The data values on the tree view are read-only.

L.5.1.3 Food Sub-Category Tree View Node

This node of the Food Item Display tree view allows the user to view the sub-categories of the food category selected in the Food Category drop-down list. The node consists of an appropriate icon and text in the format of {food sub-category description}. All food sub-category nodes are collapsed.

L.5.1.4 Food Item Tree View Node

This node of the Food Item Display tree view allows the user to select a food item for addition to the current food prescription. The node consists of an appropriate icon and text in the format of {description of food item}.

L.5.1.5 OK Button

The OK button is enabled when the Add Food Item Dialog is active. (See Edits and Saving the Data in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

L.5.1.6 Cancel Button

The control is enabled when the Add Food Item Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

L.5.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Add Food Item Dialog.

L.5.2.1 Initializing the Interface

Upon initial display of the dialog:

- The title bar text is set to "Add Food Item"
- The Food Category drop-down is blank.
- Food Item Display tree view is blank.

L.5.2.2 Saving the Selected Food Item

Clicking the OK Button performs the following edits:

- If a food category has not been selected, a standard error dialog is invoked with the text, "An entry is required in the {control label}".
- If a food category has been selected but a food item has not been selected, a standard error dialog is invoked with the text, "The selection of a food item is required".
- If the food item selected already exists in the food prescription, a standard error dialog is invoked with the text, "The selected food item already exists for the food prescription."

If no errors or warnings are encountered while performing the edits listed above, the selected food item is checked to determine if it is a special prescription item, a Food Package III, or if the food item is cheese and the amount of cheese added to the food prescription is more than one pound. If any of the above conditions is true, the Special Prescription Item dialog is invoked to collect the additional information required when adding a special prescription item to the food prescription. If the user does not provide the additional information (i.e. the user cancels the aforementioned dialog), the selected food item is not added to the prescription, a standard error message stating "Special prescription item information has not been provided. Operation cancelled. Please select another item to continue." is displayed, and the OK processing is halted, returning the user to the dialog to make another selection.

Once the above steps have been successfully completed the dialog is dismissed and the food item is added to prescription accordingly. While adding the food item to the prescription, the quantity of the food item is set using the initial quantity defined for the item based on the WIC Category and Age Category of the participant.

L.5.2.3 Data Map

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

L.6 Special Prescription Item

The Special Prescription Item Dialog allows the user to add special prescription information about a food item. It is invoked when the user presses the OK button on the Add Food Item dialog and the selected item is considered to be a special prescription item.
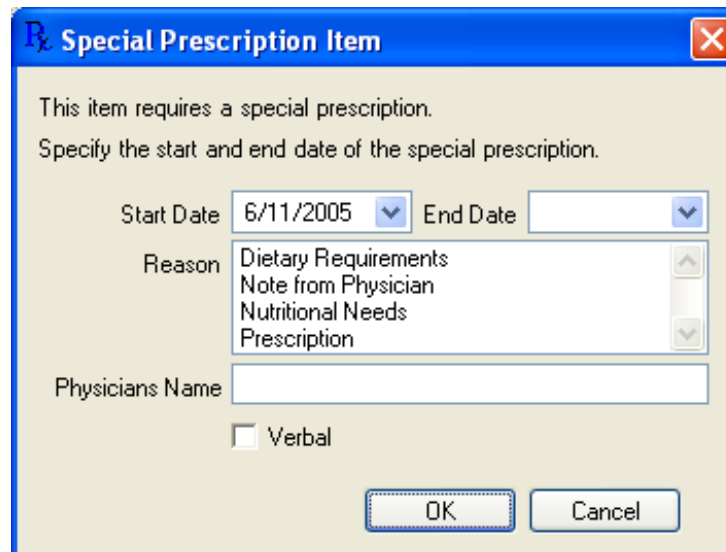

Figure 7 - Special Prescription Item Dialog

L.6.1 Controls

This section describes the behavior of the controls on the Special Prescription Item Dialog.

L.6.1.1 Start Date Calendar control

This control allows the user to enter the starting prescription date for the food item selected in the Food Item Display tree view on the Add Food Item Dialog. The masked edit box is enabled when the Special Prescription Item Dialog is active. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd".

L.6.1.2 End Date Calendar control

This control allows the user to enter the ending prescription date for the food item selected in the Food Item Display tree view on the Add Food Item Dialog. The masked edit box is enabled when the Special Prescription Item Dialog is active. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd".

L.6.1.3 Reason List Box

This control allows the user to select one or more reasons the special formula is being issued to the participant. The list box is enabled when the Special Prescription Item dialog is enabled.

The list of reasons is selected from the ReferenceDictionary where the category is 'SPECIALRXREASON'.

L.6.1.4 Physicians Name Text Box

This control allows the user to enter a complete or partial last name as the Physicians Name. The text box is enabled when the Special Prescription Item dialog is enabled. The maximum size of this control is twenty-five (25) characters. Only characters A-Z, {space}, and the following characters (' . , -) are allowed. All alphabetic characters are converted to uppercase.

L.6.1.5 Verbal Check Box

This control allows the user to indicate if the reason for the food item was given verbally. The check box is enabled when Special Prescription Item dialog is active. It is initially cleared.

L.6.1.6 OK Button

This control allows the user to edit the values of the controls, save the changes, and exit the Special Prescription Item Dialog. The OK button is enabled when the Special Prescription Item Dialog is active. (See Saving the Special Prescription Information in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

L.6.1.7 Cancel Button

This control allows the user to discard any changes made to the special prescription information and exit the Special Prescription Item Dialog. The Cancel button is enabled when the Special Prescription Item Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

L.6.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Special Prescription Item dialog.

L.6.2.1 Initializing the Interface

Upon initial display of the dialog:

- The title bar text is set to "Special Prescription Item".
- The Start Date defaults to the current system date.
- The End Date is blank.

L.6.2.2 Edits

Clicking the OK button starts the following edits:

- If a start date and end date have not been specified, a standard error dialog is invoked with the text, "An entry is required for the {control label}".
- If the start date is less than the current system date, a standard error dialog is invoked with the text, "Start Date must be greater than or equal to today's date."
- If the start date is greater than the current certification ending date, a standard error dialog is invoked with the text, "Start Date cannot be greater than the current certification ending date."
- If the end date is greater than the current certification ending date, a standard error dialog is invoked with the text, "End Date cannot be greater than the current certification ending date."
- If the start date is greater than the end date, a standard error dialog is invoked with the text, "The Start Date must be equal to or less than the End Date."
- If the Reason List box does not have at least one reason selected, a standard error dialog is invoked with the text, "At least one reason must be selected in the Reason."
- If the Physicians Name is blank, a standard error dialog is invoked with the text, "An entry is required for the Physicians Name."

L.6.2.3 Saving the Special Prescription Information

If no errors or warnings are encountered while performing the edits listed above, the information is saved and the dialog is dismissed.

L.6.2.4 Data Map

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

L.7 Edit Food Item

The Edit Food Item Dialog allows the user to edit a limited amount of information regarding a specified food item. It is invoked when the user selects the Edit Food Item button on the Food Prescription dialog.
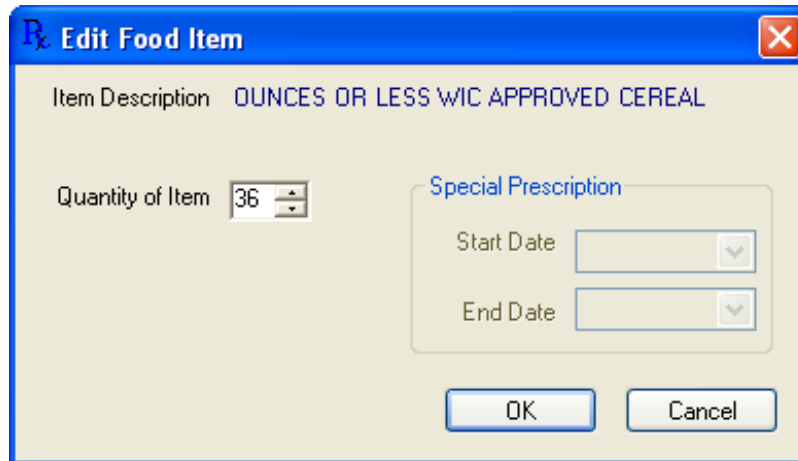

Figure 8 - Edit Food Item Dialog

L.7.1 Controls

This section describes the behavior of the controls on the Edit Food Item Dialog.

L.7.1.1 Item Description Text and Value Label

This control allows the user to view the description of the food item being edited. The value label displays when the Edit Food Item Dialog is active. It displays in the inverse color of the form.

L.7.1.2 Quantity of Item Spin Button Control

This control allows the user to enter the quantity of the food item displayed in the Item Description value label if applicable. The control is enabled if the food item displayed in the Item Description value label allows the quantity to be modified. The value specified must be a positive whole number. The mask of this box is "##". Selection of the increment or decrement buttons of the spin control increases or decreases the value by one (1). The maximum value of the spin button control is set to the maximum amount allowed based on the participants WIC category and age category.

L.7.1.3 Special Prescription Start Date Calendar Control

This control allows the user to enter the starting prescription date for the food item displayed in the Item Description value label. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd".

L.7.1.4 Special Prescription End Date Calendar Control

This control allows the user to enter the ending prescription date for the special formula displayed in the Food Item Description value label. The control accepts any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control attempts to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control is cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd".

L.7.1.5 OK Button

This control allows the user to edit the values of the controls, save the changes, and exit the Edit Food Item Dialog. The OK button is enabled when the Edit Food Item Dialog is active. (See Saving Food Item Changes in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

L.7.1.6 Cancel Button

This control allows the user to discard any changes made to the food item and exit the Edit Food Item Dialog. The Cancel button is enabled when the Edit Food Item Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

L.7.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Edit Food Item Dialog.

L.7.2.1 Initializing the Interface

Upon initial display of the dialog:

- The title bar text is set to "Edit Food Item"
- The Item Description value label displays the description of the item food item being edited.
- The Quantity of Item value displays the quantity of the food item on the prescription.

- If the food item is not a special prescription item the start date and end date controls is emptied and disabled.
- If the food item is a special prescription item the start date and end date controls is enabled and valued with the start and end dates as of the food item on the prescription.

L.7.2.2 Saving Changes to the Food Item

Clicking the OK button starts the following edits:

- If the quantity is not greater than 0, a standard error dialog is invoked with the text, "An entry is required for the {control label}".
- If the food item is cheese and the quantity is greater than 1 (pound), the Special Prescription Item dialog is invoked to collect the additional information required to allow more than one pound of cheese for the food prescription.
- The value of the Quantity masked edit box must not exceed the maximums specified for the WIC category and age category of the participant for the food item. If the value entered exceeds the maximum a standard error dialog is invoked with the text, "The item quantity cannot exceed the maximum value of n." where n is the appropriate maximum value as described above. (Note that the maximum value is stored in either the MaximumFoodRxQty (MaximumFoodRxQtyEnhanced if the item is part of an enhanced food prescription) column of the FoodRxQty table.
- If enabled, a start date and end date must be provided. If not, a standard error dialog is invoked with the text, "An entry is required for the {control label}".
- If the start date is less than the current system date, a standard error dialog is invoked with the text, "Start Date must be greater than or equal to today's date."
- If the start date is greater than the current certification ending date, a standard error dialog is invoked with the text, "Start Date cannot be greater than the current certification ending date."
- If the end date is greater than the current certification ending date, a standard error dialog is invoked with the text, "End Date cannot be greater than the current certification ending date."
- If the start date is greater than the end date, a standard error dialog is invoked with the text, "The Start Date must be equal to or less than the End Date."

- If a user makes a change to a formula or formula quantity on an existing infant food prescription, future food prescriptions that contain the old formula and quantity are modified. Future food prescriptions are created with the new formula, but the quantity is set to the maximum for the age category of the infant on the effective date of the prescription. If a special formula (requiring a medical prescription) is given, it is reflected in all future food prescriptions for the participant that contain the old formula. When issuing benefits on a future date past the end of the formula's medical prescription, a new prescription must be created before issuing the formula.

If no errors or warnings are encountered while performing the edits listed above the dialog is dismissed and the changes to the food item are saved.

L.7.2.3 Data Map

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.